Predictable Eye Tracking Guide

For Predictable Windows
Table of Contents

INTRODUCTION .......................................................................................................................... 3
COMPATIBLE HARDWARE .................................................................................................... 3
INSTALLING THE TOBI CORE SOFTWARE ........................................................................ 4
USING THE CORE SOFTWARE ............................................................................................ 5
USING EYE TRACKING IN PREDICTABLE ....................................................................... 7
HELP AND SUPPORT ............................................................................................................ 9
Introduction

Predictable app is available in Apple iOS in version 5. Going from that version to Predicable on windows will allow all your content to be transferred. The benefit of moving to Predicable windows is that we can offer an in built eye tracking.

Eye tracking is built into most of the text entry page. This includes the category and phrases pages and many other options that allow easy and quick communication.

To use Predictable eye tracking you need to have an eye tracking bar from the Tobii. This will allow Predictable to track your eyes and use the app in eye tracking mode.

Compatible Hardware

In order for the app to link to your Eye Tracking Hardware it needs to be in the compatible list below:

PCEye Go
PCEye Mini
PCEye Explore
PCEye Plus
EyeMobile
EyeMobile Mini
EyeMobile Plus
Tobii Eye Tracker 4C
Tobii EyeX

The app will only link to Tobii Dynavox Eye Tracking hardware.
It may be that these Eye tracking bars need additional software to work on a Windows computer or tablet.

**Installing the Tobii Core Software**

The Tobii eye tracking hardware will need to be used with Core Software to communicate with the Computer or tablet that you are using Predictable on.

To install the software please go to the following webpage [http://tobiigaming.com/getstarted/?utm_source=developer.tobii.com](http://tobiigaming.com/getstarted/?utm_source=developer.tobii.com)

Then click “Download Software”

Once installed, the software will be stored on the taskbar in Windows 10. The icon looks like this:

![Software Icon](image)

Clicking on the icon on the taskbar will bring up this view:
This panel will indicate if the eye tracker is connected or not. It will also control your eye tracking configuration and will allow calibration of the Hardware to your personal set up.

**Using the Core Software**

By Using the switch at the top (circled below) you can turn on and off the connection to the Hardware. To use Predictable eye tracking, this needs to be switched on and connected to the hardware. Once the switch is turned on, the core software will try connect with eye tracking hardware.

If you have your eye tracking hardware connected to your device via USB 2 (ie a blue port, or it will have USB 2 on it) then then the Core software should connect and give you the option to create a profile.

If the Core Software keeps trying to connect or will not connect, please go to the below Tobii website for more info and assistance: [https://help.tobii.com/hc/en-us/articles/115000436349-Is-your-Eye-Tracker-not-connecting](https://help.tobii.com/hc/en-us/articles/115000436349-Is-your-Eye-Tracker-not-connecting)

Alternatively, please seek assistance from the specific Tobii Hardware webpage or documents provided.

Once connected and switched on, the page should look like this:
To set up the profile, which will allow calibration and user set up, click on the link on the bottom right of the side panel. It should display the following options:
From here you can set up new profiles, Calibrate and test the eye tracking hardware. It is recommended to set up a profile to calibrate to your profile to ensure maximum accuracy when using the eye tracking feature.

A quick test of the eye tracking can be done using the “Gaze Trace”. To calibrate the Hardware, follow the steps from clicking on “Test and improve calibration” This will refine the eye tracking in your profile. This will ensure the best results in the app.

Please note that all other settings in the Core software will in no way effect the settings in Predictable. This program is purely to establish and calibrate the connection with the Tobii eye tracking hardware.

**Using Eye Tracking in Predictable**

Once the hardware is fully connected and calibrated, you can use the eye tracking functions built into the Predictable windows app.
When in Predictable home page go Settings > Accessibility
This will show the below page:
To access the eye tracking menu, click or tap on the Eye tracking button. This will show the below menu:

To Turn on eye tracking turn the switch to ON next to “Switch ON eye tracking”. This will not yet run the eye tracking. It is only after the Apply button has been clicked that Predictable will start eye tracking in the message area screen.

From this page you can also control the dwell time. Dwell time is the time it takes for the app to acknowledge that that is the area that you would like to select.
First time users may want to select Long as the option on this page before pressing Apply and going to the text window. This will give more time required to hold the gaze on the keyboard key or area that you would like to select. This will also give more accuracy as you will have more time to recognise that that is the area that you would like to select.

Using Short will give less time between beginning to look at the region and Predicable picking that region. This can offer faster typing and faster communication.

Once you have picked the options that you would like to use, press Apply. The app will then begin establishing the connection to the Tobii Hardware and will launch the eye tracking once you return to the text entry page, or home screen.

Once on this page, you will find that the app will display circular visualisations where you fix your gaze.

To Exit eye tracking simply complete a gaze at the X button at the top of the screen. This will suspend the eye tracking feature.

**Help and support**

If you are having issues with your eye tracking or any other part of the app, please do not hesitate to contact us for support and assistance.

This can be done via our support email: [support@therapy-box.co.uk](mailto:support@therapy-box.co.uk)

If you feel the issue is surrounding your Tobii eye tracking hardware or the Connection to the core software, please get in touch with support through Tobii.

Many thanks and best wishes from Therapy Box.